

458827

## SEQUENCE LISTING

<110> THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS  
 REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND  
 HUMAN SERVICES  
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<120> GAMMA PGA CONJUGATES FOR ELICITING IMMUNE RESPONSES DIRECTED  
 AGAINST BACILLI

<130> 4239-68226-07

<150> PCT/US2004/017736

<151> 2004-06-04

<150> US 60/476,598

<151> 2003-06-05

<160> 3

<170> PatentIn version 3.2

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<213> Artificial Sequence

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<223> Basic peptide derived from HIV-1 Tat protein.

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<212> DNA

<213> Bacillus anthracis

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Phe Ile Lys Val Lys Lys Ser Asp Glu Tyr Thr Phe Ala Thr Ser Ala  
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Asp Asn His Val Thr Met Trp Val Asp Asp Gln Glu Val Ile Asn Lys  
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Ala Ser Asn Ser Asn Lys Ile Arg Leu Glu Lys Gly Arg Leu Tyr Gln  
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Phe Lys Leu Tyr Trp Thr Asp Ser Gln Asn Lys Lys Glu Val Ile Ser  
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Arg Lys Lys Arg Ser Thr Ser Ala Gly Pro Thr Val Pro Asp Arg Asp  
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Asn Asp Gly Ile Pro Asp Ser Leu Glu Val Glu Gly Tyr Thr Val Asp  
210 215 220

Val Lys Asn Lys Arg Thr Phe Leu Ser Pro Trp Ile Ser Asn Ile His  
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Glu Lys Lys Gly Leu Thr Lys Tyr Lys Ser Ser Pro Glu Lys Trp Ser  
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Asp Lys Asn Val Ser Pro Glu Ala Arg His Pro Leu Val Ala Ala Tyr  
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Pro Ile Val His Val Asp Met Glu Asn Ile Ile Leu Ser Lys Asn Glu  
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Ala Pro Ile Tyr Asn Val Leu Pro Thr Thr Ser Leu Val Leu Gly Lys

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405

410

415

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Thr Glu Phe Asp Phe Asn Phe Asp Gln Gln Thr Ser Gln Asn Ile Lys  
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Lys Ile Lys Leu Asn Ala Lys Met Asn Ile Leu Ile Arg Asp Lys Arg  
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Phe His Tyr Asp Arg Asn Asn Ile Ala Val Gly Ala Asp Glu Ser Val  
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Val Glu Ile Glu Asp Thr Glu Gly Leu Lys Glu Val Ile Asn Asp Arg  
675 680 685

Tyr Asp Met Leu Asn Ile Ser Ser Leu Arg Gln Asp Gly Lys Thr Phe  
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Ile Asp Phe Lys Lys Tyr Asn Asp Lys Leu Pro Leu Tyr Ile Ser Asn  
705 710 715 720

Pro Asn Tyr Lys Val Asn Val Tyr Ala Val Thr Lys Glu Asn Thr Ile  
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Ile Asn Pro Ser Glu Asn Gly Asp Thr Ser Thr Asn Gly Ile Lys Lys  
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Ile Leu Ile Phe Ser Lys Lys Gly Tyr Glu Ile Gly  
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